

High Performance scientific computing Assignment 3- Matix computation using CUDA

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1 Introduction

This code is written for assignment 3 of course High Performance Scientific Computing. It shows the performance of NVIDIA graphics card for matrix multiplication

1.1 Running Instruction

For generating the report see README.md The results are generated for report folder

2 Graphics Card Spec

- Name: Nvidia GT630 G5
- Details in: <http://www.geforce.com/hardware/desktop-gpus/geforce-gt-630/specifications>

3 Result

The Nivdia uses both thread and block for maximising the performance.It takes around 1000 sec for 10000 which is really good. I can't do this com-

putation using my i3 processor in this much time. The first plot show show time vs no of element of Matrix. The second one show log log graph of the same.



